

**WEST** Generate Collection  Print

L5: Entry 1 of 3

File: USPT

May 20, 2003

US-PAT-NO: 6567788

DOCUMENT-IDENTIFIER: US 6567788 B1

TITLE: Programmed logistic system and method for transportation and reception of commodities

DATE-ISSUED: May 20, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johnson, Jr.; Ralph B.	Clifton	VA		

US-CL-CURRENT: 705/28

## ABSTRACT:

Quantities of commodities are transported in sequence from a source to a receiving location in accordance with a logistic program through which constraints based on conditions at the source and receiving location are imposed so as to regulate timing of commodity transport involving a minimized number of sequential transits during usage for delivery at a rate in excess of the usage rate to maintain a specified inventory reserve at the receiving location.

8 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

**WEST** Generate Collection 

L5: Entry 2 of 3

File: USPT

Jan 2, 2001

US-PAT-NO: 6169979  
DOCUMENT-IDENTIFIER: US 6169979 B1

TITLE: Computer-assisted sales system for utilities

DATE-ISSUED: January 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johnson; Jerome D.	North Mankato	MN		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Clear With Computers, Inc.	Mankato	MN			02

APPL-NO: 09/ 024792 [PALM]  
DATE FILED: February 17, 1998

## PARENT-CASE:

This application is a continuation of application Ser. No. 08/290,190, now U.S. Pat. No. 5,758,331, filed on Aug. 15, 1994. This application includes a microfiche appendix containing 5 sheets of microfiche and 440 frames.

INT-CL: [07] G06 F 17/60US-CL-ISSUED: 705/412; 705/7, 705/30, 705/400  
US-CL-CURRENT: 705/412; 705/30, 705/400, 705/7

FIELD-OF-SEARCH: 364/528.26, 364/528.3, 705/1, 705/7, 705/11, 705/30, 705/35, 705/400, 705/412

## PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4190800</u>	February 1980	Kelly, Jr. et al.	325/37
<u>4253151</u>	February 1981	Bouve	364/528.3
<u>4306293</u>	December 1981	Marathe	364/528.26
<u>4324987</u>	April 1982	Sullivan, II et al.	307/35
<u>4336462</u>	June 1982	Hedges et al.	307/35
<u>4370723</u>	January 1983	Huffman et al.	364/528.3
<u>4585904</u>	April 1986	Mincone et al.	179/7.1TP
<u>4751728</u>	June 1988	Treat	379/113
<u>4803632</u>	February 1989	Frew et al.	705/412
<u>5216623</u>	June 1993	Barrett et al.	702/62
<u>5237507</u>	August 1993	Chasek	705/412
<u>5283829</u>	February 1994	Anderson	380/24
<u>5519622</u>	May 1996	Chasek	705/412
<u>5528507</u>	June 1996	McNamara et al.	364/528.21
<u>5627759</u>	May 1997	Bearden et al.	702/62
<u>5758331</u>	May 1998	Johnson	705/412
<u>5768148</u>	June 1998	Murphy et al.	364/528.21
<u>5805458</u>	September 1998	McNamara et al.	340/870.02
<u>5818725</u>	October 1998	McNamara et al.	340/870.02
<u>5930773</u>	July 1999	Crooks et al.	705/30

## OTHER PUBLICATIONS

"Conservation is the way of the future . . . ", MORE Systems, Inc.: 6 pgs (Date unknown).

"Energy Savings Plan Report", SCR Systems Inc., Metro Gas & Electric, Prepared for: Gladys Smith, World Realty Corp:10 pgs. (Feb. 13, 1993).

"InSite.RTM. Product Description: The First Fully Integrated DSM and Marketing Information System", ENERGY, Front cover, Table of Contents and pp. 1-15 (Date unknown).

"InSite.RTM. Standard Report Examples", ENERGY: 21 pgs. (Date unknown).

"Market Manager.TM. Energy Analysis System for WIndows User's Manual", SRC Systems, Inc.: Front cover, Table of Contents, and pp. 1-8 (Date unknown).

"Technical Brief.RTM.", EPRI: 2 pgs. (Jan. 1994).

"The Fastest Vehicle to Sales and Profits on the GM Information Superhighway: Introducing GM PROSPEC": 37 pgs. (Date unknown).

"The New Standard in Energy Analysis Software", SRC Systems, Inc.: 2 pgs. (Date unknown).

ART-UNIT: 271

PRIMARY-EXAMINER: Cosimano; Edward R.

ATTY-AGENT-FIRM: Merchant & Gould P.C.

## ABSTRACT:

A computer-based system for generating customized proposals relating to consumption and cost of utilities. The system receives and stores information related to a

utility company's services and conservation programs, utility rates, and a customer's inventory. The system processes this information in order to determine how various factors and parameters will affect the customer's utility consumption and cost. As a result of this processing, the system generates a customized proposal for the customer relating to how the customer can reduce consumption and cost of utilities.

50 Claims, 4 Drawing figures



Generate Collection

Print

L13: Entry 7 of 16

File: DWPI

Jan 29, 2003

DERWENT-ACC-NO: 2003-180253

DERWENT-WEEK: 200318

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Goods information management system for warehouse, has control center to receive goods ID data and positional data transmitted at preset intervals

PATENT-ASSIGNEE: TOSHIBA KK (TOKE)

PRIORITY-DATA: 2001JP-0215948 (July 16, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003026334 A	January 29, 2003		006	B65G061/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2003026334A	July 16, 2001	2001JP-0215948	

INT-CL (IPC): B65 G 61/00; G06 F 17/60

ABSTRACTED-PUB-NO: JP2003026334A

BASIC-ABSTRACT:

NOVELTY - A control center receives the goods ID data and positional data transmitted at preset intervals to perform inventory control and goods movement control operations.

USE - Goods information management system for warehouse.

ADVANTAGE - Enables to collect positional data of goods reliably to carry out inventory control and movement control of goods.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a goods management system. (Drawing includes non-English language text).

ABSTRACTED-PUB-NO: JP2003026334A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/6

DERWENT-CLASS: Q35 T01

EPI-CODES: T01-J05A; T01-J05A2;



Generate Collection

Print

L13: Entry 9 of 16

File: DWPI

Nov 23, 2002

DERWENT-ACC-NO: 2003-246371

DERWENT-WEEK: 200324

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Method for managing hub by supplier using internet

INVENTOR: CHOI, B G; SONG, Y G

PATENT-ASSIGNEE: LG ELECTRONICS INC (GLDS)

PRIORITY-DATA: 2001KR-0026794 (May 16, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2002087782 A	November 23, 2002		001	G06F017/60

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
KR2002087782A	May 16, 2001	2001KR-0026794	

INT-CL (IPC): G06 F 17/60

ABSTRACTED-PUB-NO: KR2002087782A  
BASIC-ABSTRACT:

NOVELTY - A method for managing the hub by a supplier using the Internet is provided to make the supplier control the inventory of the hub through the information exchange on the Internet.

DETAILED DESCRIPTION - A supplier terminal(20) receives a screen to input and confirm the information for the specific time interval relating to the inventory treatment by connecting to a server(40) through the Internet. The projected inventory information calculated based on the consumption plan information, the inventory information and the shipping information of the hub are transmitted to the supplier terminal. The supplier terminal decides and inputs the replenishment schedule information of the hub according to the projected inventory displayed on the screen. The input and the confirmation of the information through the screen are carried at each week. The replenishment schedule information inputted by the supplier terminal is decided within a range between the maximum and the minimum hub inventory amount displayed on the screen.

ABSTRACTED-PUB-NO: KR2002087782A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/10

DERWENT-CLASS: T01

EPI-CODES: T01-J05A2D; T01-N01A2E; T01-N02B1;

[Generate Collection](#) [Print](#)

L13: Entry 10 of 16

File: DWPI

Jun 27, 2002

DERWENT-ACC-NO: 2002-607670

DERWENT-WEEK: 200265

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Material quantity monitoring system for dry bulk goods remote manufacturing plant, has remote telemetry unit that receives and transmits output signal representing material quantity to computer

INVENTOR: WALLACE, D B

PATENT-ASSIGNEE: WALLACE D B (WALLI)

PRIORITY-DATA: 2002US-0085396 (February 28, 2002), 1998US-0167379 (October 6, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020082735 A1	June 27, 2002		010	G06F017/60

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US20020082735A1	October 6, 1998	1998US-0167379	CIP of
US20020082735A1	February 28, 2002	2002US-0085396	
US20020082735A1		US 6366829	CIP of

INT-CL (IPC): G06 F 17/60; G06 F 19/00

RELATED-ACC-NO: 2002-433501

ABSTRACTED-PUB-NO: US20020082735A  
BASIC-ABSTRACT:

NOVELTY - A data collector receives an output signal corresponding to a material quantity from a sensor, and generates another output signal representing material quantity. A remote telemetry unit (16) receives and transmits another output signal representing material quantity to the computer (12).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Material level monitoring system;
- (2) Raw material quantity maintaining system; and
- (3) Raw material quantity maintaining method.

USE - For dry bulk goods remote manufacturing plant.

ADVANTAGE - Facilitates monitoring inventory quantities of raw materials at remote site and automatically transmitting signals corresponding to the material quantity from remote site to computer at predetermined time intervals.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the remote inventory monitoring system.

Computer 12

Remote telemetry unit 16

ABSTRACTED-PUB-NO: US20020082735A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/8

DERWENT-CLASS: T01 T06 W05  
EPI-CODES: T01-J05A; T01-J07B; T06-A08; T06-A11; W05-D06G; W05-D07B; W05-D08E;

[Generate Collection](#) [Print](#)

L13: Entry 12 of 16

File: DWPI

Oct 25, 2001

DERWENT-ACC-NO: 2001-648955

DERWENT-WEEK: 200219

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Automatic managing system for inventory of limited-term merchandise has main storage unit for number of fields

INVENTOR: KAN, A; NISHIDA, K

PATENT-ASSIGNEE: ITOCHU CORP (ITOCHU)

PRIORITY-DATA: 2000JP-0115622 (April 17, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200180107 A1	October 25, 2001	J	034	<u>G06F017/60</u>
AU 200122219 A	October 30, 2001		000	<u>G06F017/60</u>

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 200180107A1	December 20, 2000	2000WO-JP09044	
AU 200122219A	December 20, 2000	2001AU-0022219	
AU 200122219A		WO 200180107	Based on

INT-CL (IPC): G06 F 17/60

ABSTRACTED-PUB-NO: WO 200180107A

## BASIC-ABSTRACT:

NOVELTY - Method and system for automatically managing inventory of limited-term merchandise e.g. merchandise with freshness date and merchandise with open date using a computer. Processing unit of an inventory management server stores discount data including sale base prices of managed merchandise, discount start logics, discount terms, discount rates, and discount start dates all being preset in main storage unit of inventory management server according to merchandise management information inputted through input terminal into input unit of inventory management server, monitors discount start dates according to discount data, changes sale base price of commodity when present day is its discount start date to discount price, and outputs and display price.

USE - Automatic managing system for inventory of limited-term merchandise has main storage unit for number of fields

ABSTRACTED-PUB-NO: WO 200180107A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg. 1/7

DERWENT-CLASS: T01 T05  
EPI-CODES: T01-H07C5S; T01-J05A; T01-J05A2; T05-L01;

[Generate Collection](#) [Print](#)

L13: Entry 13 of 16

File: DWPI

Oct 11, 2001

DERWENT-ACC-NO: 2001-657001

DERWENT-WEEK: 200209

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: System for managing inventory and sales using a wireless network and a web-enabled management system containing identifications of the inventory items

INVENTOR: KELLY, G F; MASSEY, M J ; WILLIAMS, J L

PATENT-ASSIGNEE: PAYLESS SHOESOURCE INC (PAYLN)

PRIORITY-DATA: 2000US-0542359 (April 4, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200175552 A2	October 11, 2001	E	018	<u>G06F000/00</u>
AU 200149846 A	October 15, 2001		000	<u>G06F000/00</u>

DESIGNATED-STATES: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 200175552A2	April 4, 2001	2001WO-US10930	
AU 200149846A	April 4, 2001	2001AU-0049846	
AU 200149846A		WO 200175552	Based on

INT-CL (IPC): G06 F 0/00

ABSTRACTED-PUB-NO: WO 200175552A

## BASIC-ABSTRACT:

NOVELTY - An inventory management system (104) contains an identification of all inventory items through a distribution area and a wireless computer (106) is a radio frequency device configured to transmit and receive wireless communications to and from the management system in the wireless inventory and sales system (102).

DETAILED DESCRIPTION - The computer receives the results of an item search in response to a request and then operates as a point of sale device to enter payment information such as a credit card.

AN INDEPENDENT CLAIM is included for a method for managing an inventory.

USE - Managing an inventory and sales using a wireless network.

ADVANTAGE - Quick processing of a sale in an inventory.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of the system

Management system 104

Wireless computer 106

System 102

ABSTRACTED-PUB-NO: WO 200175552A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/5

DERWENT-CLASS: T01

EPI-CODES: T01-C03C; T01-H07C5C; T01-J05A2; T01-J05B4P;

Generate Collection 

L13: Entry 14 of 16

File: DWPI

Oct 29, 1999

DERWENT-ACC-NO: 2000-029222

DERWENT-WEEK: 200008

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Inventory control system for point of sales in supermarkets - displays goods arranging quantity insufficiency quotient number of articles, insufficiency rate along with alarm list data, during opening of store

PATENT-ASSIGNEE: TOKYO ELECTRIC CO LTD (TODK)

PRIORITY-DATA: 1998JP-0101431 (April 13, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11296750 A	October 29, 1999		016	G07G001/12

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 11296750A	April 13, 1998	1998JP-0101431	

INT-CL (IPC): B41 J 29/38; B65 G 1/137; G06 F 19/00; G07 G 1/01; G07 G 1/12

ABSTRACTED-PUB-NO: JP 11296750A

## BASIC-ABSTRACT:

NOVELTY - At the time of opening, the goods arranging quantity insufficiency quotient number of articles, insufficiency rate are determined from various alarm list data of each store, stored in memory. The computed data are displayed along with stored alarm list, in the display of headquarters system (20).

USE - For point of sales in supermarkets.

ADVANTAGE - The staff in headquarters can understand the goods arranging order of each store, due to prompt display, during opening and closing of store. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of inventory control system. (20) Headquarters system.

ABSTRACTED-PUB-NO: JP 11296750A

## EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/21

DERWENT-CLASS: P75 Q35 T01 T05

EPI-CODES: T01-J05A2; T05-L01D;

# WEST Search History

Set Name Query  
side by side

Hit Count Set Name  
result set

*reviewed*

*DB=JPAB,EPAB; THES=ASSIGNEE; PLUR=YES; OP=OR*

L25	(inventories or inventory or inventoring) and (vendor or merchant or seller or manufact\$) and ((purchas\$ or buy\$ or customer or user) same (look\$ or find\$ or seach\$)) and @pd<=19991230	1	L25
L24	L18 and ((purchas\$ or buy\$ or customer or user) same (look\$ or find\$ or seach\$))	0	L24
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
L23	L19 and ((purchas\$ or buy\$ or customer or user) same (look\$ or find\$ or seach\$))	12	L23
L22	L19 and ((purchas\$ or buy\$ or customer or user) same seach\$)	0	L22
L21	L19 and ((purchas\$ or buy\$ or customer or user) with seach\$)	0	L21
L20	L19 and ((buy\$ or customer or user) with seach\$)F	1110620	L20
L19	L17 and @ad<=19991230	37	L19
L18	L17 and @pd<=19991230	22	L18
L17	I15 and ((transmit\$ or display\$ or send\$ or receiv\$ or sent or communicat\$) with (inventories or inventory or status or report or inventoring) with (rate or level\$ or interval or frequenc\$))	43	L17
L16	L15 and I14	0	L16
L15	((705/28 )!.CCLS. )	414	L15

*scanned*

*DB=PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR*

L14	L13 and (inventories or inventory or inventoring)	99	L14
L13	L11 and (vendor or merchant or seller or manufact\$)	110	L13
<i>DB=JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
L12	L11 and (vendor or merchant or seller or manufact\$)	0	L12
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
L11	L10 and ((transmit\$ or display\$ or send\$ or receiv\$ or sent or communicat\$) with (inventories or inventory or status or report or inventoring) with (rate or level\$ or interval or frequenc\$))	205	L11
L10	L7 or ((705/29 )!.CCLS. )	3896	L10
L9	L8 AND ((transmit\$ or display\$ or send\$ or receiv\$ or sent or communicat\$) with (inventories or inventory or inventoring) with (rate or level\$ or interval or frequenc\$))	18	L9
L8	L7 AND L4	250	L8

L7	((705/26  705/27  705/28 )!.CCLS. )	3766	L7
L6	("G06F 17/60" or "G06 F 17/60" or "G06F17/60")	2	L6
L5	("G06F 17/60" or "G06 F 17/60" or "G06F17/60") and (INVENTORY OR INVENTORING)	0	L5
L4	G06\$ AND (INVENTORY OR INVENTORING) and @pd<=19991230	4689	L4
L3	("G06F 17/60" or "G06 F 17/60" or "G06F17/60") and @pd<=19991230	0	L3
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
L2	("G06F 17/60" or "G06 F 17/60" or "G06F17/60") and @pd<=19991230	0	L2
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE;</i>			
<i>PLUR=YES; OP=OR</i>			
L1	("g06f 17/60" or "g06 f 17/60" or "g06f17/60") and @pd<=19991230	0	L1

END OF SEARCH HISTORY

## End of Result Set

  

L25: Entry 1 of 1

File: JPAB

Jun 11, 1991

PUB-NO: JP403136751A

DOCUMENT-IDENTIFIER: JP 03136751 A

TITLE: AUTOMATED RE-WORK SHOP ORDER SCHEDULING SYSTEM

PUBN-DATE: June 11, 1991

## INVENTOR-INFORMATION:

NAME	COUNTRY
NATARAJAN, BHARATH	

## ASSIGNEE-INFORMATION:

NAME	COUNTRY
INTERNATL BUSINESS MACH CORP	

APPL-NO: JP02241358

APPL-DATE: September 13, 1990

INT-CL (IPC): B23Q 41/08; G05B 15/02

## ABSTRACT:

PURPOSE: To minimize influence exerted on existing orders by simulating confusion of a manufacturing environment generated by the introduction of re-work orders on the basis of a prescribed control reference related to a delay of orders, cycle time and a processing work inventory.

CONSTITUTION: Orders containing re-work to optimize a control reference 44 related to a delay, a processing work inventory WIP and cycle time are designated by monitoring orders and a delivery data list 41 from a production release system 30 by a production designating system 42. Next, a common function simulation system 43 is called out, the influence of productional confusion by re-work orders is guessed on the basis of parts list data from the system 30, an user input 47, plan priority order rules and completed operation data and when a former planned quantity and date are not satisfied a revised schedule is re-calculated on the basis of a revised priority order by issuing a prompt to find the user input 47 to complete a work schedule in a block 45. Thus influence exerted on existing orders is minimized.

COPYRIGHT: (C)1991,JPO

End of Result Set

[Generate Collection](#) [Print](#)

L25: Entry 1 of 1

File: JPAB

Jun 11, 1991

DOCUMENT-IDENTIFIER: JP 03136751 A  
TITLE: AUTOMATED RE-WORK SHOP ORDER SCHEDULING SYSTEM

Abstract Text (1):

PURPOSE: To minimize influence exerted on existing orders by simulating confusion of a manufacturing environment generated by the introduction of re-work orders on the basis of a prescribed control reference related to a delay of orders, cycle time and a processing work inventory.

Abstract Text (2):

CONSTITUTION: Orders containing re-work to optimize a control reference 44 related to a delay, a processing work inventory WIP and cycle time are designated by monitoring orders and a delivery data list 41 from a production release system 30 by a production designating system 42. Next, a common function simulation system 43 is called out, the influence of productional confusion by re-work orders is guessed on the basis of parts list data from the system 30, an user input 47, plan priority order rules and completed operation data and when a former planned quantity and date are not satisfied a revised schedule is re-calculated on the basis of a revised priority order by issuing a prompt to find the user input 47 to complete a work schedule in a block 45. Thus influence exerted on existing orders is minimized.

Publication Date (1):  
19910611

[Generate Collection](#) [Print](#)

L23: Entry 1 of 12

File: USPT

Apr 2, 2002

US-PAT-NO: 6366829  
DOCUMENT-IDENTIFIER: US 6366829 B1

TITLE: Bulk inventory network system (BINS)

DATE-ISSUED: April 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wallace; David B.	Mechanicsburg	PA		

US-CL-CURRENT: 700/236; 705/22, 705/28

ABSTRACT:

A system and method for remote monitoring of material storage levels for dry bulk goods, wherein an independent entity, such as a transportation carrier, can continuously monitor raw material supply levels at a remote manufacturing plant, and, based on projected usage rates, place timely orders on behalf of the plant, with preselected vendors, to replenish depleted raw materials. The transportation carrier can then coordinate material shipments from the vendor to the manufacturing site using its own trucks. In this manner, the task of maintaining sufficient on site raw material storage levels is completely removed from the manufacturing plant.

16 Claims, 1 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 1

Generate Collection 

L23: Entry 2 of 12

File: USPT

Jan 22, 2002

US-PAT-NO: 6341271  
DOCUMENT-IDENTIFIER: US 6341271 B1

TITLE: Inventory management system and method

DATE-ISSUED: January 22, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Salvo; Joseph James	Schenectady	NY		
Mackenzie; Patricia Denise	Clifton Park	NY		
Bennett; Janet Sue	Scotia	NY		
Relyea; Heather Ann	Niskayuna	NY		
Morelli, II; Thomas Anthony	Stephentown	NY		

US-CL-CURRENT: 705/28

## ABSTRACT:

An inventory management system automatically monitors inventory amounts, provides information concerning inventory, and decides if an order for replacement inventory should be placed. The system includes a storage for inventory, an indicator for monitoring and reporting the level of current inventory, and a controller for receiving information from different inventory suppliers and for integrating such information with information on current inventory amounts and estimated future use to decide if an order for replacing inventory should be made. An order is placed automatically to a supplier and the progress for the delivery of replacement inventory is automatically monitored. A method using this system for managing inventory includes the steps of automatic gathering information about the current inventory and deciding whether and when replacement inventory should be ordered.

71 Claims, 3 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 3

Generate Collection

L23: Entry 3 of 12

File: USPT

Dec 12, 2000

US-PAT-NO: 6161122  
DOCUMENT-IDENTIFIER: US 6161122 A

TITLE: Method and apparatus for interactively providing information at multiple sites

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hawkes; Calvert T.	Providence	RI	02906	

US-CL-CURRENT: 709/203; 705/20, 705/28

ABSTRACT:

A method and apparatus are provided for interactively providing selected site-specific messages asynchronously at a plurality of separate sites. At least one site-specific message is stored in an addressable memory for each site and is read out to control the output on an output device located at the site in response to the operation of an input device also located at the site. A plurality of site-specific messages may be stored for each site with the message to be read out from the addressable store and provided at the associated output device being selected in response to appropriate operation of the input device. The input device may also be initially utilized to select the appropriate message for a given site and to select a desired volume for the site.

18 Claims, 11 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 8

[Generate Collection](#) [Print](#)

L23: Entry 4 of 12

File: USPT

Nov 14, 2000

US-PAT-NO: 6148291  
DOCUMENT-IDENTIFIER: US 6148291 A

TITLE: Container and inventory monitoring methods and systems

DATE-ISSUED: November 14, 2000

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Radican; Joseph E.	Rocky River	OH		

US-CL-CURRENT: 705/28; 705/22, 705/29

**ABSTRACT:**

Container and inventory monitoring methods and systems provide detailed logistical control of containers, shipping racks and resident and in-transit inventory. The methods and systems create and maintain accurate real-time records of the location, movement and load status of containers, racks and inventory within the facility boundaries and between facilities such as factories, assembly plants, warehouses, shipping yards and freight switching facilities. Detailed data on container switching, unloading and loading activity is recorded and archived. A virtual inventory accounting is provided by tracking from customer release orders to supplier shipments and rack returns.

35 Claims, 36 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 34

**Generate Collection** **Print**

L23: Entry 5 of 12

File: USPT

Nov 14, 2000

US-PAT-NO: 6147686  
DOCUMENT-IDENTIFIER: US 6147686 A

TITLE: Method and system for real-time manipulation of merchandise layout and data collection

DATE-ISSUED: November 14, 2000

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Larry E.	Palm Beach	FL		
Hugel; Thomas	West Palm Beach	FL		

US-CL-CURRENT: 345/839; 345/848, 345/962, 705/28

**ABSTRACT:**

A graphics data form includes an information processing system having a generator for generating graphics images, each image comprising a recognizable representation of at least one real-life object. The GDF also includes a selector for selecting an image by a user of the system; a receiver for receiving information from the user; an associator for associating the information received with the selected image; a real time processor for manipulating how the image is presented; and a real time processor for processing data associated with the selected image responsive to manipulation of the selected image.

23 Claims, 11 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 10

Generate Collection 

L23: Entry 6 of 12

File: USPT

Aug 22, 2000

US-PAT-NO: 6108640  
DOCUMENT-IDENTIFIER: US 6108640 A

TITLE: System for calculating occasion dates and converting between different calendar systems, and intelligent agent for using same

DATE-ISSUED: August 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Slotznick; Benjamin	Mt. Gretna	PA	17064	

US-CL-CURRENT: 705/26; 704/2, 705/1, 705/27, 705/28, 705/39, 705/40, 706/11, 706/59,  
708/112

ABSTRACT:

An occasion database and a date converter are provided in a device which allows a user to retrieve restored occasion information, whether the occasion occurs in the Gregorian calendar or a non-Gregorian calendar. A formula is stored for each occasion to allow its date to be calculated for any given year. The date converter converts between Gregorian and non-Gregorian dates. Conversions from one non-Gregorian calendar to another non-Gregorian calendar may also be performed. An intelligent agent executes date sensitive tasks by using at least one calendar and date calculation module for providing date information necessary to execute the date sensitive tasks. The tasks may be executed at a future time and on a periodic basis. Periodic tasks may be associated with occasions that occur in the Gregorian or non-Gregorian calendar.

29 Claims, 21 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 19

Generate Collection 

L23: Entry 7 of 12

File: USPT

Aug 1, 2000

US-PAT-NO: 6097995  
DOCUMENT-IDENTIFIER: US 6097995 A

TITLE: Hazardous materials and waste reduction management system

DATE-ISSUED: August 1, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tipton; David K.	Berea	KY		
Gozy; Darren W.	Berea	KY		
Coleman; David A.	Berea	KY		

US-CL-CURRENT: 700/266; 700/79, 700/80, 700/91, 705/28

## ABSTRACT:

A user controlled chemical management system for small-, medium- and large-sized organizations for use with a computer. The chemical inventory management system includes a chemical inventory control system allowing a user to manage chemicals from a central station, the plurality of combined receiving and outpost stations, to allow for the tracking of individual chemical containers throughout its life. In addition, an environmental, health and safety information system as contained in the chemical management system to allow the user create customized chemical storage groups that are color coded for a particular area. Also included is a safety equipment management system to allow accurate records to be kept of all safety equipment. Finally, an international chemical compatibility system is included with a compliance/education design to create compliance/education files for any country in the world.

39 Claims, 351 Drawing figures  
Exemplary Claim Number: 32  
Number of Drawing Sheets: 116

**Generate Collection** **Print**

L23: Entry 8 of 12

File: USPT

May 2, 2000

US-PAT-NO: 6057756  
DOCUMENT-IDENTIFIER: US 6057756 A

TITLE: Electronic locating systems

DATE-ISSUED: May 2, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Engellenner; Thomas J.	Newton	MA	02165	

US-CL-CURRENT: 340/505; 235/385, 340/10.31, 340/10.33, 340/825.49, 705/28

## ABSTRACT:

Methods and apparatus are disclosed for location of objects to facilitate retrieval, filing, security, inventory stock-keeping and the like. The methods and apparatus employ a tag element associated with each object-to-be-located, and interrogation system for searching one or more spatial regions for such tagged items, as well as mechanisms for identifying objects within the interrogated region.

8 Claims, 17 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 8

Generate Collection 

L23: Entry 9 of 12

File: USPT

Nov 9, 1999

US-PAT-NO: 5983200  
DOCUMENT-IDENTIFIER: US 5983200 A  
\*\* See image for Certificate of Correction \*\*

TITLE: Intelligent agent for executing delegated tasks

DATE-ISSUED: November 9, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Slotznick; Benjamin	Mt. Gretna	PA	17064	

US-CL-CURRENT: 705/26; 705/1, 705/27, 705/28, 705/39, 705/40, 705/6

## ABSTRACT:

An intelligent agent executes tasks by using intelligent agent learning modules which store information necessary to execute the tasks. A computer receives a command to execute a task or receives data which causes a task request to be generated. The computer accesses appropriate information in the learning modules to execute the task, and outputs instructions for output devices to execute the tasks. The tasks may be executed at a future time and on a periodic basis. The learning modules build up a database of information from previously executed tasks, and the database is used to assist in executing future tasks. The tasks include physical commercial transactions. Portions of the intelligent agent may be remotely located and interconnected via remote communication devices.

20 Claims, 8 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 8

**Generate Collection** **Print**

L23: Entry 10 of 12

File: USPT

Aug 25, 1998

US-PAT-NO: 5798693  
DOCUMENT-IDENTIFIER: US 5798693 A

TITLE: Electronic locating systems

DATE-ISSUED: August 25, 1998

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Engellenner; Thomas J.	Newton	MA	02165	

US-CL-CURRENT: 340/10.33; 235/385, 340/10.6, 705/28

**ABSTRACT:**

Methods and apparatus are disclosed for location of objects to facilitate retrieval, filing, security, inventory stock-keeping and the like. The methods and apparatus employ a tag element associated with each object-to-be-located, and interrogation system for searching one or more spatial regions for such tagged items, as well as mechanisms for identifying objects within the interrogated region.

1 Claims, 17 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 8

Generate Collection 

L23: Entry 11 of 12

File: USPT

Jun 9, 1998

US-PAT-NO: 5765143  
DOCUMENT-IDENTIFIER: US 5765143 A

TITLE: Method and system for inventory management

DATE-ISSUED: June 9, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheldon; David E.	Danville	CA		
Leach; James	San Ramon	CA		
Pisarsky; Vladimir	Mountain View	CA		

US-CL-CURRENT: 705/28; 705/10, 705/22

## ABSTRACT:

A computer system and computer-implemented method for controlling inventory of vendors at one level of a part distribution chain. The system includes a computer programmed with software for generating order data in response to reference data indicative of sales, inventory, demographics, and/or market characteristics of or pertaining to at least two vendors at the same distribution level. The order data is indicative of one or more of a recommended inventory increase transaction (such as a reorder by a vendor of a sold part); an inventory reduction transaction (such as a return of one or more parts in stock at the vendor); and a recommended stocking level of one or more parts by the vendor. When the computer is operated by personnel of a first vendor, it receives reference data concerning at least one other vendor at the same distribution level (in addition to processing reference data concerning the first vendor). When the computer is a host computer, it receives reference data from two or more vendors at the same distribution level. Preferably, the computer which generates the order data is programmed to generate the order data by processing forecast data which is generated by processing the reference data. To generate the forecast data, the computer preferably implements a point-of-sale based method or an actuarial method to determine a forecast of sales of a part by a vendor in a selected time period.

29 Claims, 3 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 1

**End of Result Set** **Generate Collection** 

L23: Entry 12 of 12

File: USPT

Oct 6, 1992

US-PAT-NO: 5153825  
DOCUMENT-IDENTIFIER: US 5153825 A

TITLE: Paint formula retrieval and management system and method

DATE-ISSUED: October 6, 1992

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yauk; Robert H.	White Bear Lake	MN		
Damon; Frank D.	Coon Rapids	MN		
Rydberg; Guy N.	Arden Hills	MN		
Santrach; Peter A.	South St. Paul	MN		

US-CL-CURRENT: 705/1; 235/385, 705/28

**ABSTRACT:**

A formula retrieval and management system (200) for retrieving paint formulas, creating paint formulas, updating paint inventory, and providing miscellaneous reports. The system presents a ruled scale representation of actual sizes on a display, including a bar portion extendable along the ruled scale representation. User movement of the bar portion selects the desired paint size. Furthermore, multiple variants of a formula can be stored and selected from a special menu. When the system program is used for the first time in a given day, various types of reports of the previous day's paint usage are made available.

11 Claims, 178 Drawing figures  
Exemplary Claim Number: 1,4,8  
Number of Drawing Sheets: 178